F COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Artcle 36 and Rule 70)

Applicant's or agent's file reference CLEAN-F	FOR FURTHER AC	CTION	See Form PCT/IPEA/416		
International application No. PCT/KR2004/003389	International filing date 22 DECEMBER 2		Priority date (day month year) 26 DECEMBER 2003 (26.12.2003)		
nternational Patent Classification (IPC D03D 15/00(2006.01)i	') or national classification	and IPC			
Applicant KOLON INDUSTRIES, INC	et al				
Authority under Article 35 and t	ransmitted to the applicant	raccording to Article 36			
This REPORT consists of a total of4sheets, including this cover sheet.					
sheets of the de and/or sheets ed Administrative sheets which su beyond the disc Supplemental B. b. (sent to the Internation containing a sequence	escription, claims and/or drontaining rectifications auth Instructions). persede earlier sheets, but losure in the international sox.	rawings which have been orized by this Authority which this Authority con application as filed, as in (indicate type and numbed thereto, in electronic for	sheets, as follows: In amended and are the basis for this report by (see Rule 70.16 and Section 607 of the Insiders contain an amendment that goes Indicated in item 4 of Box No. I and the Insert of electronic carrier(s)) Instructions).		
Box No. IV Lack of u Box No. V Reasoned citations a Box No. VI Certain d Box No. VII Certain de	ne report olishment of opinion with to the control of invention	regard to novelty, invent (5(2) with regard to nove g such statement	tive step and industrial applicability elty, inventive step or industrial applicability:		
Date of submission of the demand		Date of completion of	of this report		
15 JUNE 2005 (15.06.2005)		04 JANUARY 2006 (04.01.2006)			
Name and mailing address of the IPE	A/KR	Authorized officer	J. S.		
Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701. Republic of Korea		CHO. Ho Jung	South and the second		
Facsimile No. 82-42-472-7140		Telephone No. 82-	42-481-5593		

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

nternational application No.

PCT/KR2004/003389

Bo	x No.	. 1 Basis of the report	
1.		th regard to the language, this report is based on the international application in the lar servise indicated under this item. This report is based on translations from the original language into the following la which is the language of a translation furnished for the purposes of: international search (under Rules 12.3 and 23.1(b)) publication of the international application (under Rule 12.4) international preliminary examination (under Rules 55.2 and/or 55.3)	
2.	to the	n regard to the elements of the international application, this report is based on <i>(replace receiving Office in response to an invitation under Article 14 are referred to in this rexed to this report): the international application as originally filed/furnished</i>	ement sheets which have been furnished eort as "originally filed" and are not
		the description:	2. 2. 11. Cl. 110. maids 1
	=	pages	as originally filed/furnished
		pages* received by this Authority on	
		pages* received by this Authority on	
		•	
		the claims:	as originally filed/furnished
		pagesas amended (togethe	er with any statment) under Article 19
		pages*as amended (together pages* received by this Authority on	
		pages* received by this Authority on	
		pages* received by this Authority on	
	\Box	the drawings:	
		pages	as originally filed/furnished
		pages* received by this Authority on	
		pages*	
3.		the sequence listing and/or any related table(s) - see Supplemental Box Relating to Se The amendments have resulted in the cancellation of: the description, pages the claims, Nos. the drawings, sheets the sequence listing (specify): any table(s) related to sequence listing (specify):	
4.		This report has been established as if (some of) the amendments annexed to this repo made, since they have been considered to go beyond the disclosure as filed, as indica (Rule 70.2(c)). the description, pages the claims, Nos. the drawings, sheets the sequence listing (specify): any table(s) related to sequence listing (specify):	ted in the Supplemental 130x
* !	f item	n 4 applies, some or all of those sheets may be marked "superseded."	

40/583895 AP3 Rec'd PC1/PTO 22 JUN 2005

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement

١.	Statement			
	Novelty (N)	Claims	1-10	YES
	Νόντικ (ιν)	Claims	None	N()
	Inventive step (IS)	Claims	1-10	<u>Y</u> ES
	inventive step (13)	Claims	None	NO
	Industrial applicability (IA)	Claims	1-10	YES
	industrial applications (11.1)	Claims	None	NO

2. Citations and explanations (Rule 70.7)

The following documents have been considered for the purpose of this report:

D1: US 6632504 B1 (14 OCTOBER 2003)

D2: US 5935883 A (10 AUGUST 1999)

D3: JP 9119067 A (6 MAY 1997)

D1 discloses a nonwoven web which can be readily converted to an apertured web by stretching. In its initial non-apertured state, the web comprises a plurality of multicomponent fibers comprising at least two thermoplastic polymer components arranged in at least first and second separate continuous structured domains. The frangible bond sites are structured and arranged to readily rupture when subjected to tensile stress to form discrete, spaced-apart apertures in the nonwoven fabric.

D2 discloses a superfine microfiber web comprising split fibers of meltbrown fibers, said split fiber web comprising first split microfibers of a first polymeric composition and second split microfibers of a second polymeric composition, wherein at least one of the polymeric compositions is hydrophilic.

D3 discloses a wiping cloth comprising a knitted or a woven fabric composed of polyester ultrafine fiber filaments having less than 0.1 denier single filament sized without substantially containing a hydrophobic substance.

The claimed invention relates to a cleansing polyester fabric, which comprises a polyester multifilament consisting of ultra yarns(monofilament fibrils) of 0.001 to 0.1 deniers or its false twist yarn as a warp, and a false twisted mixing yarn consisting of said polyester multifilament and a high shrinkable polyester multifilament with 10-50% of shrinkage rate in boiling water as a weft.

(Continued on Supplemental Sheet.)

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of:

Box No. V

The technical feature of the present invention is that a cleansing polyester fabric comprises (i) a polyester multifilament of ultra yarns or its false twist yarn as a warp and (ii) a false twisted mixing yarn of a polyester multifilament and a high shrinkable polyester multifilament as a weft. Said cleansing fabric is useful as a makeup cleansing fabric or as a wiping fabric for fine products and optical devices.

However, none of the prior art documents discloses a cleansing polyester fabric comprising a polyester multifilament false twist yarn as a warp and a false twisted mixing yarn as a weft. Said cleansing fabric in this invention would not have been obvious to a person skilled in the art.

Therefore, claims 1-10 meet the requirements of novelty, inventive step and industrial applicability under PCT Article 33(2)-(4).